Allotment Evaluation (AE) For Garanbuio Allotment (#895)

Permittee		Authorization Number 3022090
Livestock Use	Preference AUMs	Allotment Active Suspended 00895 4 0
	Period of Use	Allotment Kind Season of Use Garanbuio Allotment 1 Cattle 03/01 - 02/28
	Kind of Livestock	cow/calf
	Percent Public Land	AUMs are authorized at 100% public land
Allotment Profile	Physical Description Allotment 895 is located approximately 1 mile south of Lower Pueblo, in San Miguel County, New Mexico. Elevation on this allotment is roughly between 5,850 and 5,950 feet. Landforms on the allotment include; rolling hills. Two soil types are identified within the federal lands in this allotment. They include: Tuloso-Rock outcrop-Sombordoro association, steep. These soils consist of stony sandy and stony loams with rooting depths ranging from 8 to 20 inches. Parent materials are primarily derived from sandstone. Average annual precipitation is about 16 inches. Vegetation is characterized by pinyon, juniper, blue grama, hairy grama, sideoats grama, little bluestem and pinyon ricegrass. Vibo-Ribera association, undulating. These soils consist of sandy	
		loams, with rooting depths over 60 inches. Parent materials of alluvial and eolian material derived from mixed sources comprise these soils. Average annual precipitation ranges between 16 and 20 inches. Vegetation is characterized by pinyon, juniper, blue grama, sideoats grama, little bluestem, pinyon ricegrass and Indian ricegrass.
	Land Status Acreage	BLM State Private 0
	Management Objectives	The allotment is under a 'Custodial' ('C') management category. 'C' category allotments have evidence of a "not apparent" to "upward" long term trend, have no significant resource conflicts and have a low potential for improvement in vegetative production.
	Key Forage Species	blue grama, hairy grama, sideoats grama and little bluestem
Management Evaluation	Grazing System Actual Use	Generally used during calving - March or April Actual use has not been reported and figures below were determined from paid bill reports.

	Al	UMs Year
	·	12 2007
		12 2006
		12 2005
		12 2004
		12 2003
		12 2002
		12 2001
		12 2000
		12 1999
		12 1998
Utiliza	tion Due to the lack of staff utili	ization studies have not been
	conducted. During the asser	ssment visit it was determined that the
	allotment receives very ligh	
Clima		, 2007 – Sept. 30, 2008) the average
Cimic	1 ,	y average (-1 to 0 degrees Fahrenheit
	<u> </u>	itation has been below average (-3 to -2)
		is should provide below average plant
	growth on warm season pla	ants and cool season plants.
	5 1 1 11 11 11 11 11 11 11 11 11 11 11 1	000 2007) 1
		998-2007) the temperature has been at
	or above average and precip	pitation has been fluctuating annually,
	but it is important to note the	hat between 2000 and 2004 the 12
	month running average was	s below the annual average. (Based on
	the Northern Mountains Cli	imate Division, New Mexico from the
	Western Regional Climate	
		,
	Climate change is a concern	n not only in New Mexico but
		sing atmospheric CO ₂ levels on plants
	1 9	natic changes in native vegetation.
	=	accelerate rates of plant extinction,
		<u>-</u>
	•	and function may shift. Ecological
		in climate could shift ecosystems (i.e.,
		lands) and have effects, not only to an
	individual species, but to the	ne ecosystem itself by additions and
	deletions of vegetation spec	cies" (Johnson, H.B., and H.S.
	Mayeux. 1992. Viewpoint:	A view on species additions and
		of nature. Journal of Wildlife
	Management 45:322-333.)	
	We anticipate that our mon	nitoring efforts will help indicate
	-	for management modifications to
		_
	address global climate chan	
Tren		ave been established on this allotment.
		x was completed on June 19, 2008.
	<u> </u>	e available within the allotment file.
		ne information gathered by the survey.
	Within the Rangeland Heal	Ith Attributes are three different
	categories of indicators. The	he categories include; Soil and Site
		tion and Biotic Integrity. The percent
LL		

	of indicator score was created by multiplying an assigned value for departure from site descriptions/reference areas by the number of indicators at the level. Departure scores are categorized as: none to slight = 5, slight to moderate = 4, moderate = 3, moderate to extreme = 2 and extreme = 1. For example, if all indicators under Soil/Site Stability were rated none to slight (best condition), the equation would be 5(score)*10indicators=50/50*100 = 100% similarity, or what is expected based on an Ecological Site Description. Standards for each individual category are met when they are rated Proper Functioning Condition or Functioning at Risk-Upward Trend. Not meeting standards are ratings of; Functioning at Risk-Static, Functioning at Risk-Downward Trend and Non Functional. Soil and Site Stability Two indicators were deemed None to Slight, four were deemed Slight to Moderate and four were deemed Moderate. Rating: 76% Hydrologic Function Three indicators were deemed None to Slight, four were deemed Slight to Moderate and three were deemed Moderate. Rating: 80% Biotic Integrity Five indicators were deemed None to Slight while four were
	deemed Slight to Moderate. Rating: 91% Overall Rating: 82%
	Soils were rated at Functioning at Risk-Static, Biotic Flora was rated at Functioning at Risk-Static and Biotic Fauna was rated at Functioning at Risk-Static.
	Current livestock does not appear to be adversely affecting this allotment. No recent livestock grazing evidence was found. Some of the lower ratings to Soils and Hydrologic Function can be directly attributed to State Road 3 dissecting the allotment.
Riparian	There are no riparian areas within this allotment.
Wildlife	Seasonal home ranges in the allotment include those for elk, deer, mountain lion, black bear, bobcat, fox, coyote, small mammals, bats, raptors, turkey vulture, songbirds, and a variety of insects.
	Elk and deer are grazers/browsers; however there is little dietary overlap between deer and cattle. Best management practices i.e. rotational grazing would ensure that forage production within this area can support both wildlife and livestock on a sustained basis.
Threatened and	It is determined that there are no federally listed threatened or

	Endangered	endangered species likely to be found in the subject allotment.
	Species	There is no designated critical habitat for any species listed by the
		USFWS within the allotment.
Conclusions and		The vegetation is in good condition with good diversity. It is
Recommendations		recommended that at least minimal monitoring be established on
		the allotment to determine trend. It is recommended that the lease
		be renewed for the next ten years without any changes.

